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**Queensland  
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**GEOTECHNICAL  
BOREHOLE LOG**

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH-3A**

Sheet 1 of 1

REFERENCE No **H13013**

PROJECT Manly Harbour Dredging - Geotechnical Investigation

LOCATION Manly Harbour Entrance Channel COORDINATES 519096.9 E; 6963641.4 N

PROJECT No FG6549 SURFACE RL \_\_\_\_\_ PLUNGE 90° DATE STARTED 14/02/2018 GRID DATUM MGA94 Zone 56

JOB No \_\_\_\_\_ HEIGHT DATUM \_\_\_\_\_ BEARING ° \_\_\_\_\_ DATE COMPLETED 14/02/2018 DRILLER Geodrill

DEPTH (m)	R.L. (m)	FAUGER CASING WASH BORING CONE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0					Marine Sediments						
0.40-0.45					BASALT (Tpb)	HW				0.40m-0.45m: Tree rootlets	Is(50)=0.09 MPa
0.50-0.78					HW: Pale brown grey with some dark brown red, fine grained, porphyritic, generally extremely low to very low strength.	XW				0.50m-0.78m: XW Cly	Is(50)=0.04 MPa
1.14-1.40			100		Locally iron stained. XW Clayey zones throughout.	HW				1.14m-1.40m: XW Cly	
1.48-1.75					-Js: 5°-15° (2-3/m), PI/Sm-Ro, TI, FeSt, Cly Ct	XW				1.48m-1.75m: XW Cly	
1.83-2.63					-Js: 40°-45° (<1/m), PI/Sm, TI-CL, Cly Ct	HW				1.83m-2.63m: XW Cly	
2.80-2.88					-Js: 60° (<1/m), PI/Sm-Ro, TI-CL, Cly Ct	XW				2.80m-2.88m: XW Cly	
2.92			100		Borehole completed at 2.92m	HW					

REMARKS: Co-ordinates from hand held GPS. Tpb - Petrie Formation

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
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